

**WE CLAIM:**

1. A method for providing mobility within a network comprising the  
2 step of:  
a remote system transmitting an OSPF link state advertisement at  
4 predetermined intervals.

2. The method of Claim 1 wherein said link advertisement contains:  
2 a low cost associated with the routing of packets having an IP address of  
said remote system; and  
4 an age field that is set to a value lower than the maximum age.

3. A remote terminal apparatus for providing mobility within a  
2 network comprising:  
a component that transmits advertisements at predetermined intervals;  
4 wherein said advertisements indicate that packets having a destination  
IP address equal to that of the IP address of said remote terminal should be  
6 delivered to said remote terminal ; and  
wherein the age field of said advertisements are lower than the  
8 maximum age.

4. The apparatus of Claim 3, further comprising a user interface that  
2 allows the intervals at which said link advertisements are transmitted to be  
changed.

5. The apparatus of Claim 4, wherein said advertisements are OSPF  
2 link state advertisements.